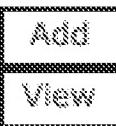


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L1: Entry 1 of 1

File: EPAB

Jan 13, 1999

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TITLE: Identification of a fraudulent call with a neural network

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ABSTRACT:

The method involves using a statement data record resulting from a call by device of a neural network for the recognition of a fraud. The

statement data record as well as statement data records of previous calls are entered as input parameters in the neural network, and the output value of the neural network indicates a probability for the fraud. The fraud is recognized as existent if the output value oversteps a pre-citable value, and as non-existent, if the output value does not overstep the pre-citable value. The neural network is preferably trained before the input parameters are entered, by assigning an average user profile to a subscriber, adjusting the user profile through a probability model which describes the call behaviour of that subscriber in response to statement data records, and adapting the probability model by using statement data records as input parameters for a predetermined period of time.

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